

FIG. 2A

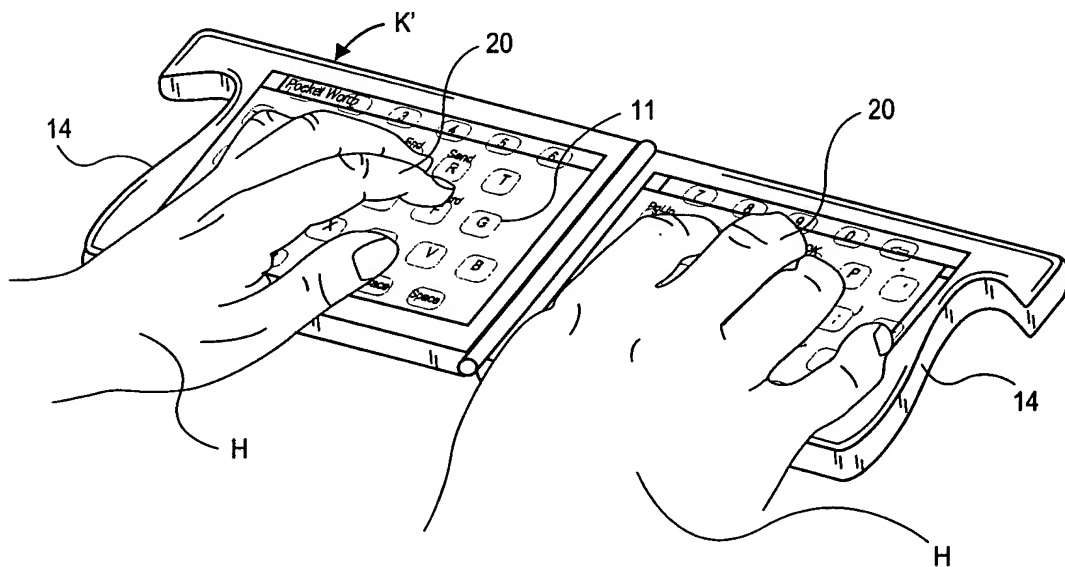


FIG. 2B

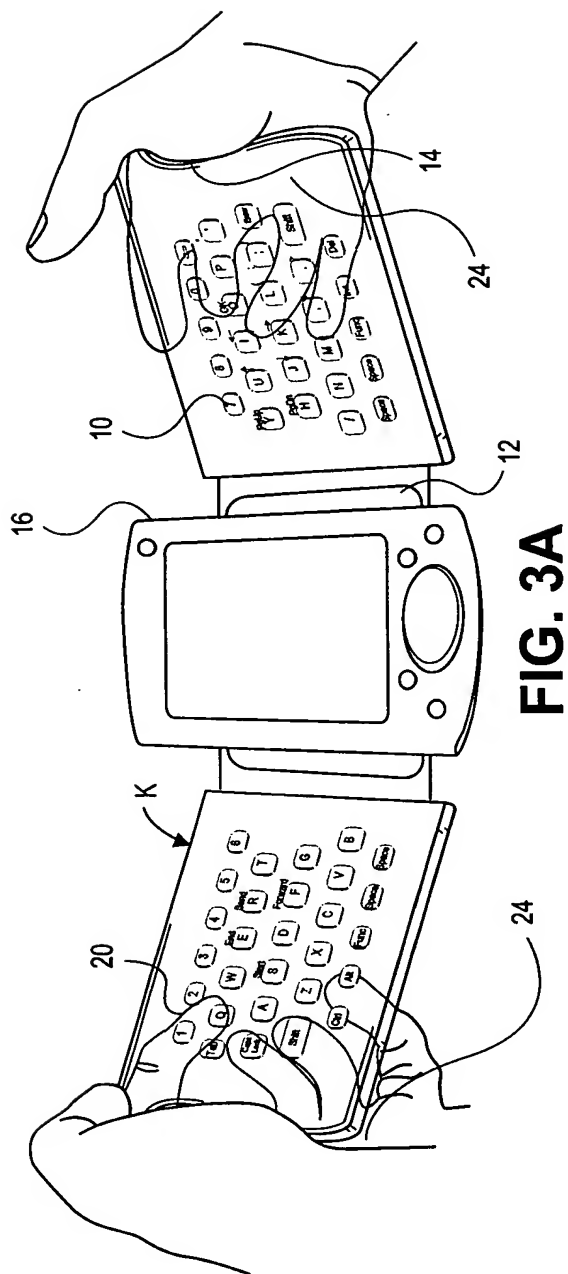


FIG. 3A

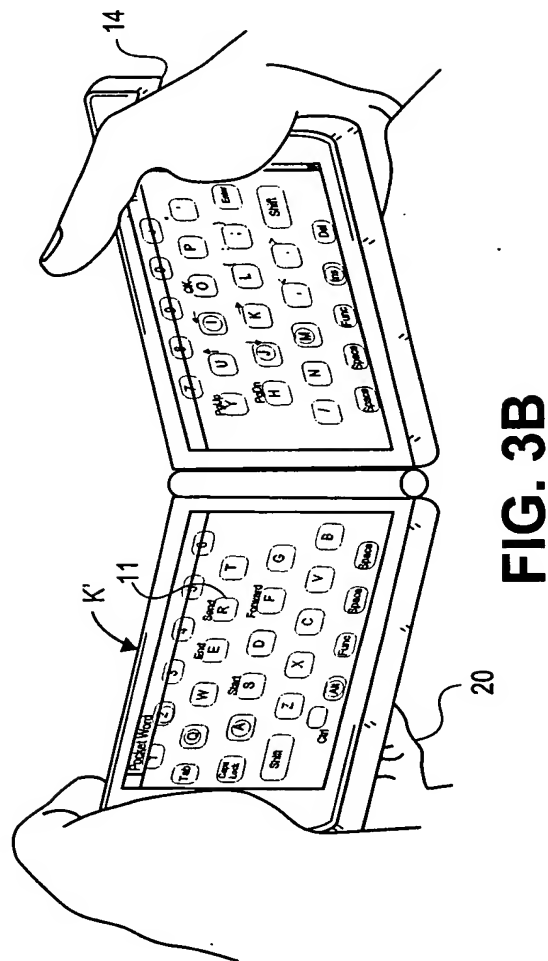


FIG. 3B

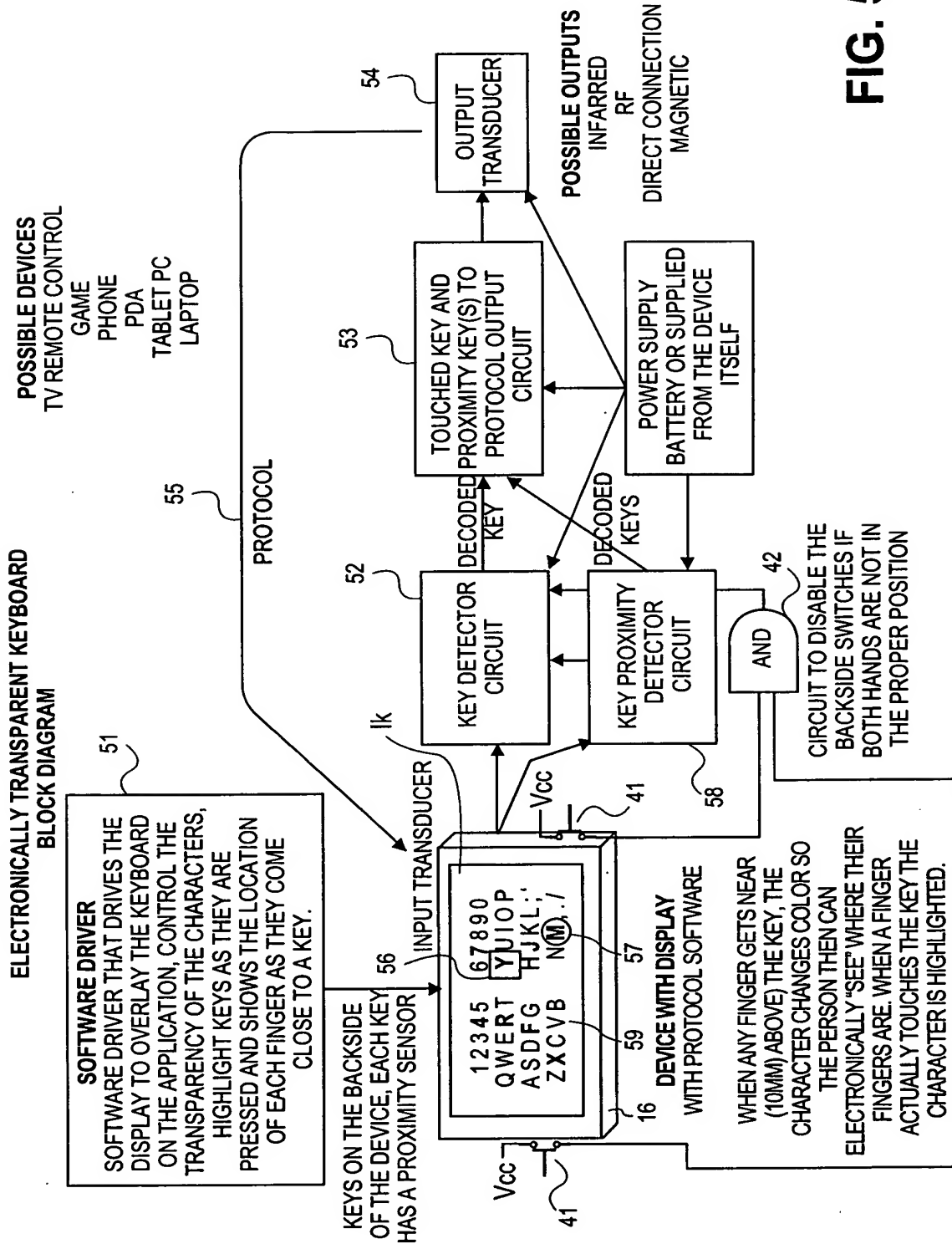
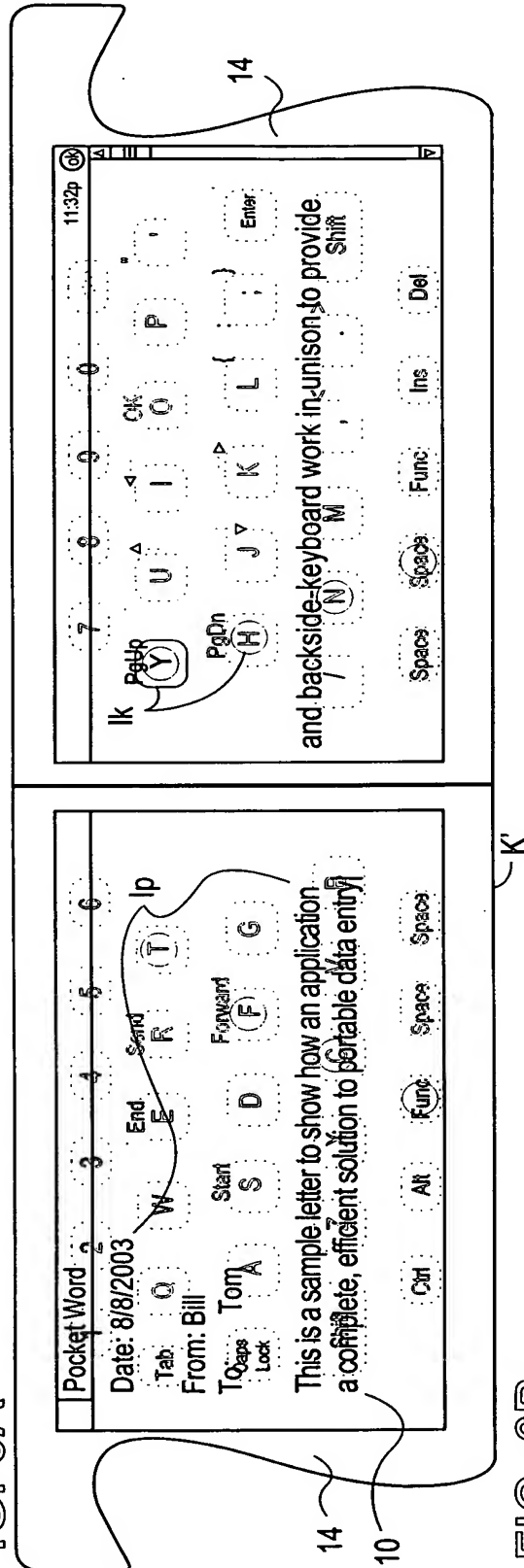
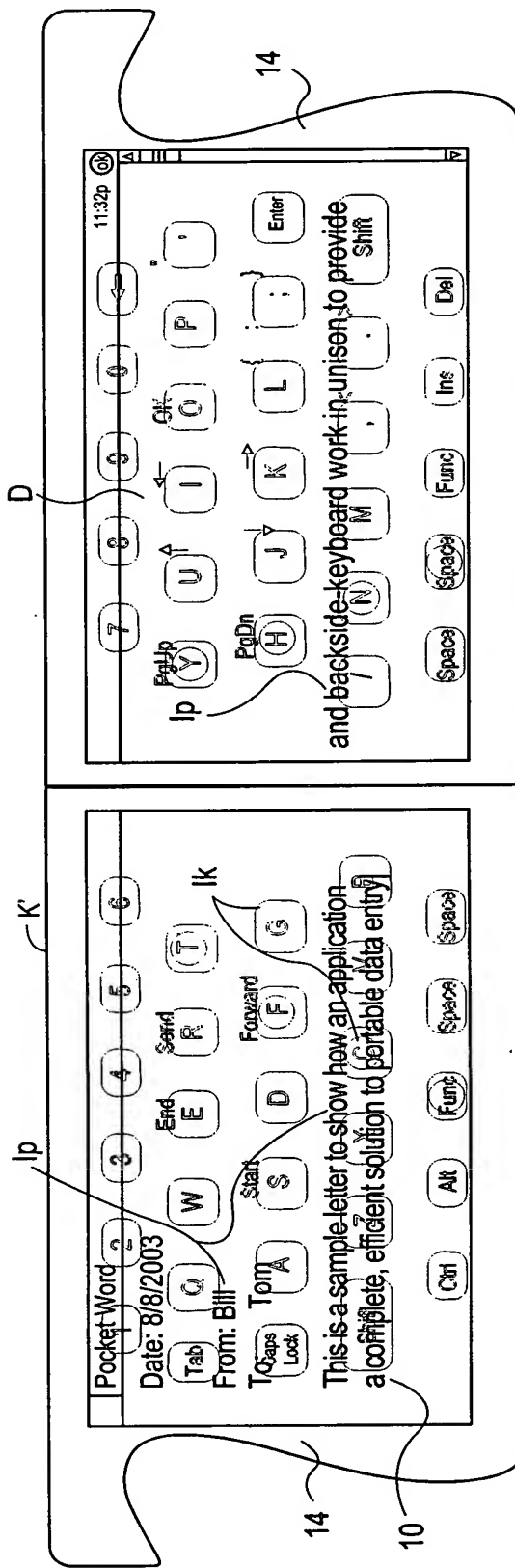


FIG. 5



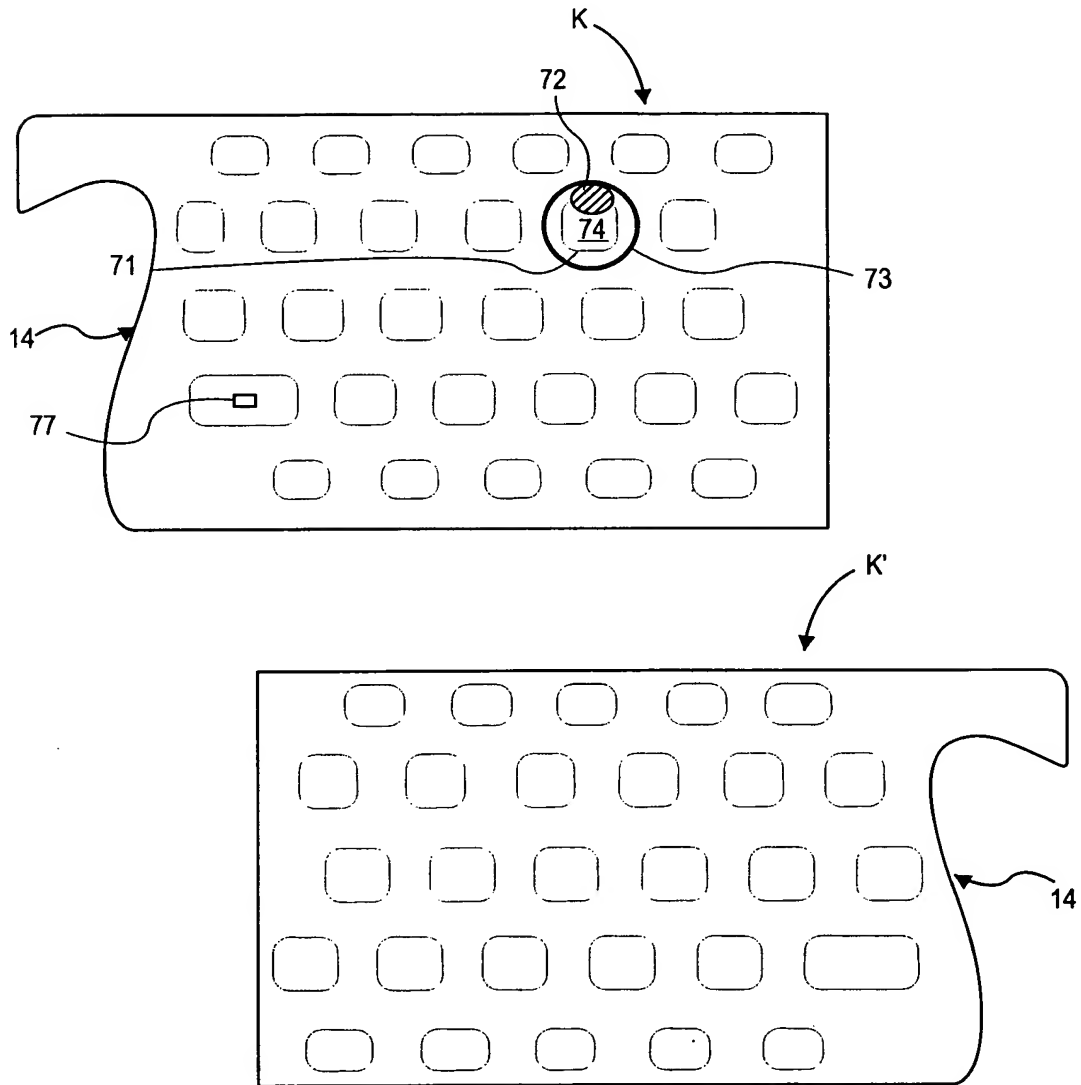


FIG. 7

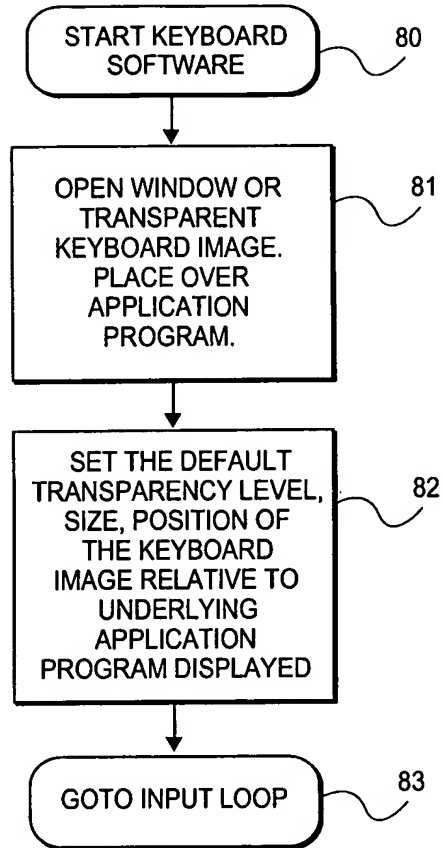


FIG. 8A

FIG. 8B

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graph TD
    83([INPUT LOOP]) --> 84[READ INPUT MESSAGE FROM KEYBOARD]
    84 --> 85[DECODE MESSAGE PROTOCOL]
    85 --> 86{KEY PRESS?}
    86 -- YES --> 861[FLASH THE IMAGE OF THE KEY ON THE SCREEN TO INDICATE THE KEY WAS PRESSED]
    861 --> 862[SEND THE KEY VALUE (CHARACTER, SHIFT, BACKSPACE, ETC.) TO THE APPLICATION PROGRAM]
    862 --> 872([RETURN TO INPUT LOOP])
    86 -- NO --> 87{PROXIMITY DETECTOR CHANGE?}
    87 -- YES --> 871[DETERMINE WHICH FINGER HAS MOVED AND TO WHERE]
    871 --> 872
    87 -- NO --> 88{TRANSPARENCY LEVEL COMMAND?}
    88 -- YES --> 881[UPDATE THE TRANSPARENCY OF THE KEYBOARD AND FINGER REPRESENTATION]
    881 --> 872
    88 -- NO --> 89{TRANSPARENCY SIZE OR MOVE COMMAND?}
    89 -- YES --> 891[UPDATE THE SIZE OR POSITION OF THE KEYBOARD IMAGE]
    891 --> 872
    89 -- NO --> 90{COMMAND TO STOP KEYBOARD SOFTWARE?}
    90 -- YES --> 901[CLOSE KEYBOARD IMAGE, STOP THIS SOFTWARE]
    901 --> 902([END])
    90 -- NO --> 872
```

The flowchart illustrates the process of handling keyboard input and commands. It begins with an **INPUT LOOP** (83), which leads to **READ INPUT MESSAGE FROM KEYBOARD** (84). The next step is **DECODE MESSAGE PROTOCOL** (85). A decision is made at **KEY PRESS?** (86). If the answer is **YES**, the process flows to **FLASH THE IMAGE OF THE KEY ON THE SCREEN TO INDICATE THE KEY WAS PRESSED** (861), then to **SEND THE KEY VALUE (CHARACTER, SHIFT, BACKSPACE, ETC.) TO THE APPLICATION PROGRAM** (862), and finally to **RETURN TO INPUT LOOP**. If the answer is **NO**, the process flows to **PROXIMITY DETECTOR CHANGE?** (87). If **YES**, it goes to **DETERMINE WHICH FINGER HAS MOVED AND TO WHERE** (871) and then to **RETURN TO INPUT LOOP**. If **NO**, it goes to **TRANSPARENCY LEVEL COMMAND?** (88). If **YES**, it goes to **UPDATE THE TRANSPARENCY OF THE KEYBOARD AND FINGER REPRESENTATION** (881) and then to **RETURN TO INPUT LOOP**. If **NO**, it goes to **TRANSPARENCY SIZE OR MOVE COMMAND?** (89). If **YES**, it goes to **UPDATE THE SIZE OR POSITION OF THE KEYBOARD IMAGE** (891) and then to **RETURN TO INPUT LOOP**. If **NO**, it goes to **COMMAND TO STOP KEYBOARD SOFTWARE?** (90). If **YES**, it goes to **CLOSE KEYBOARD IMAGE, STOP THIS SOFTWARE** (901) and then to **END** (902). If **NO**, it goes to **RETURN TO INPUT LOOP**.

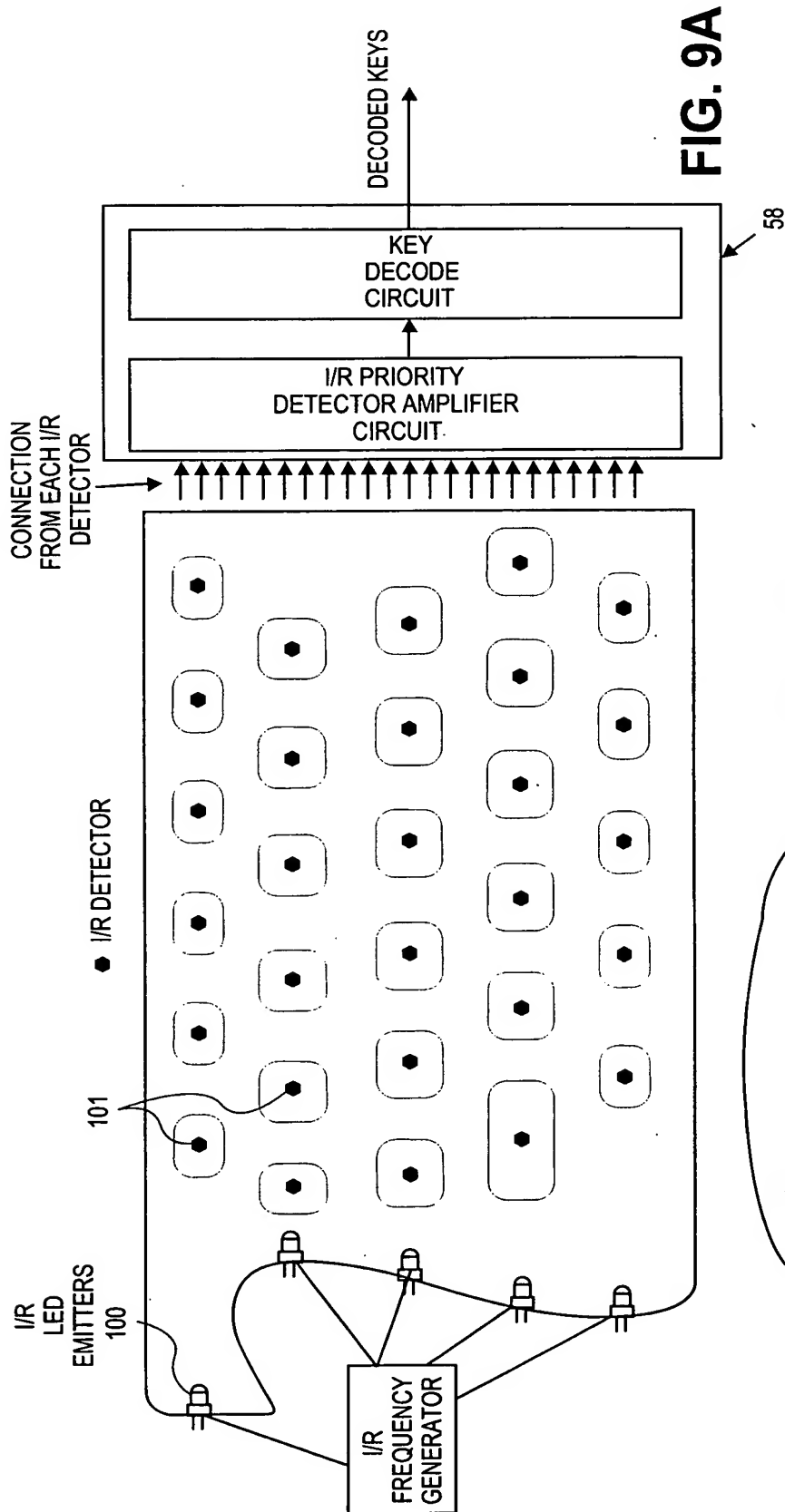


FIG. 9A

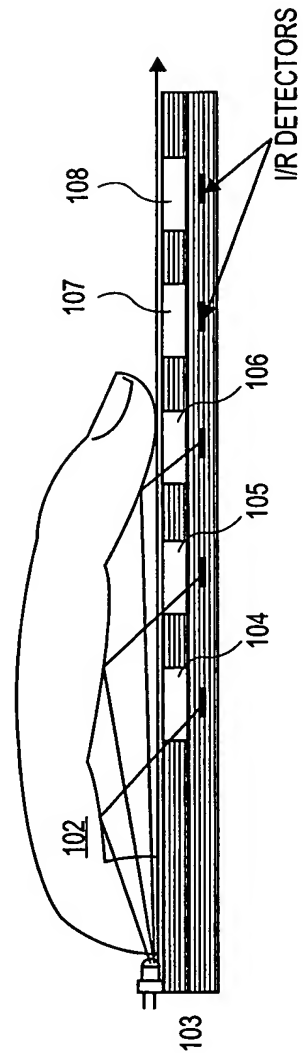


FIG. 9B